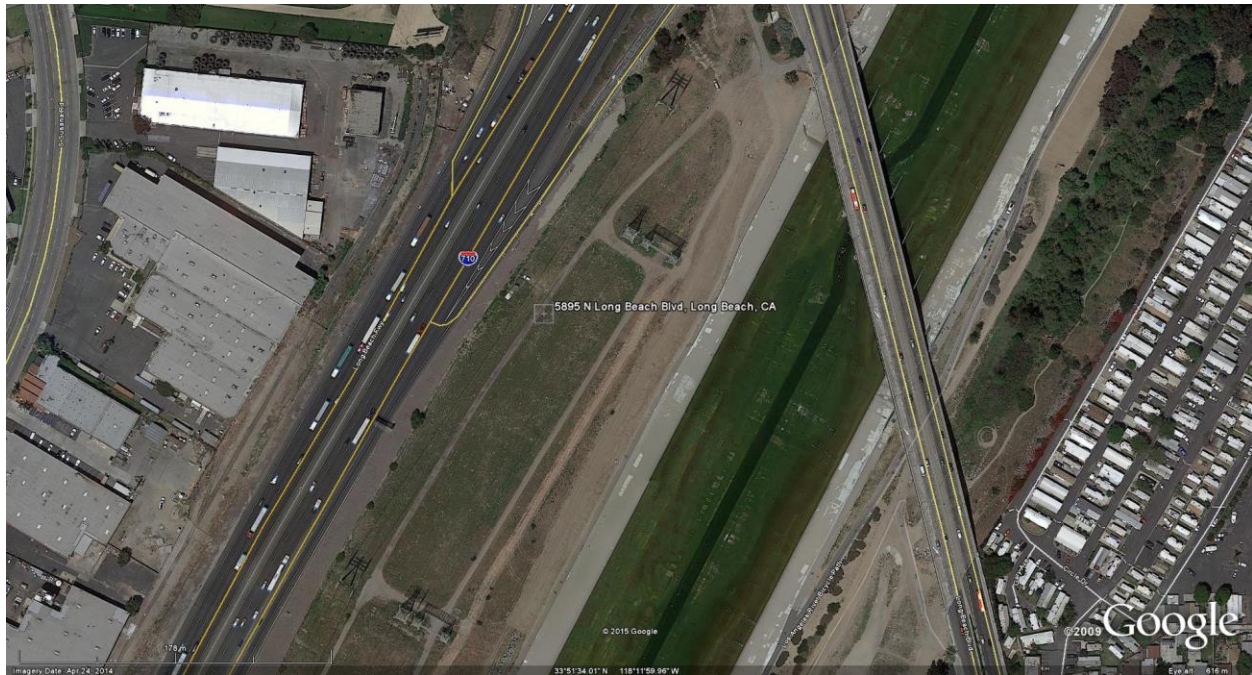


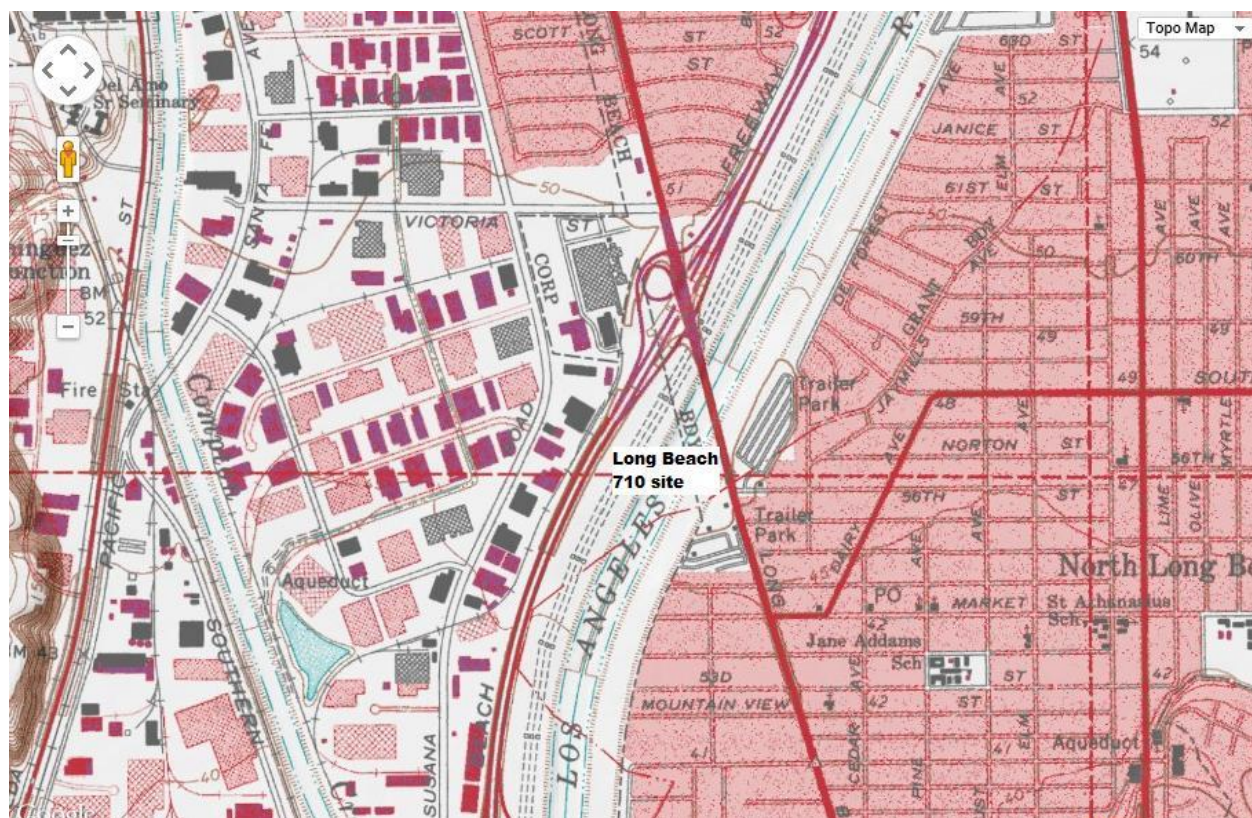
Quality Assurance
Site Survey Report for Long Beach Route 710 Near Road

Last updated: May, 2017



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060374008	70032	1/1/2015	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
5895 Long Beach Blvd	Los Angeles	South Coast	33° 51' 34"N	118° 12' 01"W	12 m



Detailed Site Information

Local site name	710 Near Road			
AQS ID	060374008			
GPS coordinates (decimal degrees)	Latitude: 33° 51' 34"N Longitude: 118° 12' 01"W			
Street Address	5895 Long Beach Blvd., Long Beach, CA 90806			
County	Los Angeles			
Distance to roadways (meters)	20			
Traffic count (AADT, year)	192,000 / 2012			
Groundcover (e.g. asphalt, dirt, sand)	Concrete/dry vegetation			
Representative statistical area name (i.e. MSA, CBSA, other)	31080-Los Angeles-Long Beach-Anaheim MSA			
Pollutant, POC	Nitrogen Dioxide, 1	24 Hour PM2.5, 1	Continuous PM2.5, 3	
Primary / QA Collocated / Other	N/A	Primary	Other	
Parameter code	42602	See Table 26	88502	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	
Monitor (type)	SLAMS	SLAMS	SPM	
Network Affiliation	Near Road	Near Road	Near Road	
Instrument manufacturer and model	Thermo 42i	Thermo 2025i	Thermo 5014i	
Method code	074	118,145	183	
FRM/FEM/ARM/ other	FRM	FRM	FEM	
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	SCAQMD	N/A	
Reporting Agency	SCAQMD	SCAQMD	SCAQMD	
Spatial scale (e.g. micro, neighborhood)	Micro	Micro	Micro	
Monitoring start date (MM/DD/YYYY)	01/2015	1/2015	1/2016	
Current sampling frequency (e.g. 1:3, continuous)	1:1	1:1	1:1	
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	1:1	1:1	
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	
Probe height (meters)	4.5	4.5	4.5	
Distance from supporting structure (meters)	2.0	2.0	2.0	
Distance from obstructions on roof (meters)	N/A	N/A	N/A	

Distance from obstructions not on roof (meters)	N/A	N/A	N/A	
Distance from trees (meters)	N/A	N/A	N/A	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between collocated monitors (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees)	360°	360°	360°	
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	Teflon	NA	NA	
Residence time for reactive gases (seconds)	6.8	NA	NA	
Will there be changes within the next 18 months? (Y/N)	No	No	No	
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	Yes	Yes	
Frequency of flow rate verification for manual PM samplers	N/A	Monthly	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Monthly	
Frequency of one-point QC check for gaseous instruments	Nightly	N/A	N/A	
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	05/19/2016 11/19/2016	07/27/2016 12/28/2016	

**Long Beach Route 710 Near Road
Site Photos**



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.

Long Beach Route 710 Near Road

Site Photos (Cont.)



Looking at the probe from the North.



Looking at the probe from the East.



Looking at the probe from the South.



Looking at the probe from the West.